



Edward Kolodziej

Senior Project Manager – Environmental Remediation

GE

640 Freedom Business Center

King of Prussia, PA 19426

USA

T 610-992-7981

F 610-992-7898

edward.kolodziej@ge.com

October 10, 2016

Todd Gmitro
Corrective Action Project Manager
Remediation and Reuse Branch - U.S. EPA Region 5
77 W. Jackson Blvd. (LU-9J)
Chicago, IL 60604

Re: General Electric Company, Evendale, Ohio
OHD 000 817 312
Progress Report

Dear Mr. Gmitro:

Please find attached the Third Quarter 2016 Progress Report. If you have any questions, please contact me at (610) 992-7981.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manages the system or those persons directly responsible for gathering the information, the information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Ed Kolodziej
Senior Project Manager – Environmental Remediation

cc: Chief Mike Hauck, Evendale Fire Department
Tim Hull, Ohio EPA
Ralph Mertz, BUSTR (Incident Number: 31001060)
John Wolfe, United States Air Force
Kent Scott-Smith, United States Air Force
Joanne Reinhold, GE

Description of Work Completed in Third Quarter 2016:

- Performed continuous pumping from extraction wells in each water-bearing unit. The average pumping rates for the third quarter 2016 were:

<u>Well ID</u>	<u>Unit</u>	<u>3Q 2016 Average Pumping Rate (gpm)</u>
EW-2P	Perched	42
EW-4P	Perched	42
EW-5P	Perched	23
EW-6P	Perched	25
EW-7S	USG	9
EW-3D	LSG	25
EW-8D	LSG	<u>47</u>

Total 3Q2016 Avg = 213gpm

Note: EW-3D is planned to be redeveloped by GE in the fourth quarter of 2016.

- Continued operation of the IRM groundwater treatment system (GWTS), including maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters. Operational run-time for the treatment plant was 82.6% for the 3rd quarter. Operations were affected during September by damage/replacement of PLC, gasket failure at a clean-out, and air stripper motor maintenance. Additional details are provided as follows:
 - Replaced PLC and surge protector that was damaged due to a power outage that occurred on September 9, 2016. The IRM GWTS remained shut down until replacement units were installed on September 21, 2016 and the system was restarted.
 - On September 21, 2016, the GWTS was shut down due to groundwater discharging to the ground surface from a failed clean-out gasket located between extraction wells EW-4P and EW-5P. All clean-outs were inspected and gaskets were replaced on all clean-outs between September 23 and September 26, 2016. The system was restarted on Monday, September 26, 2016.
- Conducted groundwater level measurements and transducer download on July 6, 2016.
- Conducted the annual site-wide groundwater level monitoring event between July 12, 2016 and July 14, 2016.
- Conducted the annual MNA groundwater sampling event between July 15, 2016 and July 22, 2016.
- Continued CMS activities associated with interim reports as outlined in the approved May 2014 CMS Work Plan, including the development of groundwater corrective measure objectives (CMOs). The groundwater CMOs interim report was submitted to USEPA on July 15, 2016.
- Continued progress monitoring of aquifer conditions in the three water-bearing units in accordance with the Performance Monitoring Plan (PMP). Submitted the 2nd quarter IRM groundwater monitoring report to USEPA on August 28, 2016.
- Conducted the 3rd quarter 2016 IRM groundwater sampling between September 6, 2016 and September 12, 2016.
- Attended a meeting with USEPA on September 7, 2016 to discuss preliminary findings of the CMS and remediation plans, and to gain USEPA feedback on GE's series of CMS-related interim

reports. On September 14, 2016, USEPA provided written feedback on the interim reports regarding the soil and vapor pathways.

- Continued monitoring groundwater levels in the area of Building 800 to identify and confirm lower seasonal groundwater levels prior to conducting the second round of indoor air and sub-slab vapor sampling.
- The Tier 1 report submittal to Ohio BUSTR regarding the Bldg 500 UST was approved by Ohio BUSTR on December 18, 2015. GE continued development of the Tier 2 report for submittal to Ohio BUSTR during early 4th quarter 2016.

Summary of All Findings:

- None

Contacts with the Public:

- None

Problems or Potential Problems Encountered:

- IRM GWTS operation was interrupted during September due to damage/replacement of PLC, and gasket failure at a clean-out. See discussion above.

Actions Taken to Rectify Problems:

- See discussion above regarding PLC damage/replacement and clean-out gasket failure.

Changes in Personnel during Reporting Period:

- None

Projected Work for Fourth Quarter 2016:

- Continue pumping in the three aquifer zones (Perched, USG and LSG) and progress monitoring of aquifer conditions as outlined in the PMP. Conduct IRM water level monitoring and transducer download in early October 2016.
- Continue operating the IRM groundwater treatment plant, including scheduled maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters.
- Perform monthly inspections of GWTS piping clean-outs.
- Re-develop extraction well EW-3D in October/November, pending Cincinnati MSD approval.
- Conduct two conference calls with USEPA to (1) respond to USEPA comments and provide details regarding the risk exposure calculations used in deriving preliminary soil corrective measure objectives, and (2) provide additional information on groundwater plume distribution, natural attenuation processes, and active remedial technology limitations.
- Continue development of the CMS report, with consideration to USEPA review and comments on interim reports.
- Complete EW-7S/EW-8D pilot test interim report and submit to USEPA.
- Replace well AF-23P in the vicinity of the original plugged and abandoned well.
- Prepare the 3rd quarter IRM groundwater monitoring report and submit to USEPA.
- Conduct 4th quarter/2nd semiannual IRM groundwater monitoring in late 4th quarter 2016.

- Submit Tier 2 evaluation report for the Bldg 500 UST to Ohio BUSTR.
- Collect a second round of on-site vapor data for Building 800 and select shallow vapor samples along the southeast perimeter of the Facility. Submit updated soil vapor interim report to USEPA.

Copies of Daily Reports and Laboratory/Monitoring Data:

- None